



VS100 KU Band Maritime VSAT



Advantages

Less signal loss, more integrated module

With modem integrated inside the radome, the signal transmission loss has been significantly decreased.

Plug & Play

BIRDSAT VSAT antenna is user friendly, with built-in satellite recognition unit, just power on and the antenna will lock the satellite quickly and precisely without any extra manual configuration.

Simplified installation

With a patented design of shipborne bracket, there's no need to dismounting the radome before installation. One outdoor cable combined with TX, RX and DC power cables all together connects to the radome base directly, and makes cost effective and simplified installation.

Higher wave transmittance, higher strength

By using GFRP material radome, the wave transmittance has been increased and the capability of wind resistance has also been increased.



VS100

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TECHNICAL SPECIFICATIONS

Reflector Diameter	100cm / 39.4 inch
Radome Height	132cm / 52.0 inch
Radome Diameter	138cm / 54.3 inch
VSAT Weight	124kg / 273.4 lbs
Platform	3-axis
Azimuth Range	Unlimited
Elevation Range	-10°-110°
Cross-level Range	-30°-30°
Pointing accuracy	0.2°
Polarization	Linear Cross
Frequency Band	KU Band
Tx Frequency	13.75GHz to 14.5GHz
Tx Gain	41.6dB@11.75GHz
Rx Frequency	10.7GHz to 12.75GHz
Rx Gain	39.4dB@14.25GHz
BUC	6W/8W/16W
LNB	Universal LNB
EIRP	48.5dBW
G/T	18.5dB/K
IP Class	IP56
Temperature (ambient)	-25°C-55°C
Humidity	0~95%
Wind	80kt. operational 110kt. survival
Compass safe distance	78.3cm
Input power	DC24V
Modem Protocol	OpenAMIP
Modem types supported	iDirect-X3/X5/X7/IQ200
	NEWTEC-MDC2510
	HUGHES-HT2500
	Gilat-Gemini-4
	THISS-TCU421/422/505
	Anovo-SatBox620